

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	09/23/2016 09/23/2016	Tariq Chechi

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_ST0010_01_s _ 2013_10				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_ST0010_01_s _ 2013_11				
Comment Code					
Inspector Comment					
The LMA has flood fight supplies and equipment.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Wadsworth Canal	Left	4.63	09/23/2016 09/23/2016	Tariq Chechi

No Photos

Photo 1 of 1 : FA_2016_ST0010_42_20_20161003_00026.jpg



View of the erosion along the waterside toe.

Photo 1 of 1 : FA_2016_ST0010_42_19_20161003_00025.jpg



View of the erosion along the waterside toe.

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
N/A : Not Applicable	N : Not Inspected/Rated	Ob : Design & System Obsolescence
WS : Water Side	M : Minimally Acceptable	En : Enforcement
CR : Crown	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	09/23/2016 09/23/2016	Tariq Chechi

LM Start	1.75	Rating **	M	Issue No.	7
LM End	2.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.133887 °	39.141757 °
				-121.749526 °	-121.742939 °
DWR ID	DWR_ST0010_01_s_2016_7				
Comment Code					
Inspector Comment					
2011 - Whole bank is starting to unravel, with failure from poor soils. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_2-1_L]					

No Photos

LM Start	1.85	Rating **	U	Issue No.	107
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.135110°	39.135110°
				-121.748230°	-121.748230°
DWR ID	DWR_ST0010_01_f_2013_107				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion under the abandoned pump.					

LM Start	1.85	Rating **	U	Issue No.	107 (cont)
LM End	1.85	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA_2016_ST0010_42_107_20160823_00012.jpg



View of the erosion along both sides of the abandoned pump.

Photo 2 of 2 : FA_2016_ST0010_42_107_20160823_00013.jpg



View of the erosion along both sides of the abandoned pump.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	09/23/2016 09/23/2016	Tariq Chechi

LM Start	1.85	Rating **	M	Issue No.	106
LM End	1.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.135110°	39.135110°
				-121.748229°	-121.748229°
DWR ID	DWR_ST0010_01_f_2013_106				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0010_42_106_20160823_00011.jpg



View of the rodent holes under the irrigation pipe.

LM Start	2.43	Rating **	M	Issue No.	6
LM End	3.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.142235 °	39.153095 °
				-121.742609 °	-121.734390 °
DWR ID	DWR_ST0010_01_f_2015_6				
Comment Code					
Inspector Comment					
2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_2-4_L]					

Photo 1 of 4 : FA_2016_ST0010_42_6_20160823_00006.jpg



View of the erosion along the waterside toe.

LM Start	2.43	Rating **	M	Issue No.	6 (cont)
LM End	3.30	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA_2016_ST0010_42_6_20160823_00007.jpg



View of the erosion along the waterside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Wadsworth Canal	Left	4.63	09/23/2016 09/23/2016	Tariq Chechi

LM Start	2.43	Rating **	M	Issue No.	6 (cont)	
LM End	3.30	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2015 USACE Erosion Survey, DRAFT			39.142235 °		39.153095 °
				-121.742609 °		-121.734390 °
DWR ID	DWR_ST0010_01_f_2015_6					
Comment Code						
Inspector Comment						
2010 - Over steepened levees, some slumping, reach-wide problem.						
2011 - Still a reach-wide problem. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_2-4_L]						

Photo 3 of 4 : FA_2016_ST0010_42_6_20160823_00008.jpg



View of the erosion along the waterside toe.

LM Start	2.43	Rating **	M	Issue No.	6 (cont)
LM End	3.30	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA_2016_ST0010_42_6_20160823_00009.jpg



View of the erosion along the waterside toe.

LM Start	3.53	Rating **	M	Issue No.	3
LM End	3.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.156225 °	39.156639 °
				-121.732930 °	-121.732755 °
DWR ID	DWR_ST0010_01_s_2012_3				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion along the waterside toe.					

Photo 1 of 1 : FA_2016_ST0010_42_3_20160823_00001.jpg



View of the erosion along the waterside toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	09/23/2016 09/23/2016	Tariq Chechi

A wide-angle photograph of a flat, open landscape. In the foreground, there is a small, shallow stream or ditch with some reeds and grass along its banks. The ground is covered in green grass and some patches of bare earth. In the background, there are several low, rounded mountains or hills under a cloudy sky. A few trees are visible on the horizon. The overall scene is a typical representation of a coastal or estuarine environment.

11/04/2015

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
N/A : Not Applicable	N : Not Inspected/Rated	Ob : Design & System Obsolescence
WS : Water Side	M : Minimally Acceptable	En : Enforcement
CR : Crown	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Wadsworth Canal	Left	4.63	09/23/2016 09/23/2016	Tariq Chechi

LM Start	4.23	Rating **	M	Issue No.	5
LM End	4.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.165845°	39.165845°
				-121.728877°	-121.728877°
DWR ID	DWR_ST0010_01_s_2012_5				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion along the waterside toe.					

Photo 1 of 2 : FA_2016_ST0010_42_5_20160823_00004.jpg



View of the erosion along the waterside toe.

LM Start	4.23	Rating **	M	Issue No.	5 (cont)
LM End	4.23	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2016_ST0010_42_5_20160823_00005.jpg



View of the erosion along the waterside toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Sutter Maintenance Yard Wadsworth Canal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	09/23/2016 09/23/2016	Tariq Chechi

LM Start	1.16	Rating **	U	Issue No.	19
LM End	1.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.127527°	39.127527°
				-121.756493°	-121.756493°
DWR ID	DWR_ST0010_02_f_2016_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0010_43_19_20161003_00031.jpg



View of the rodent holes along the landside slope.

LM Start	1.17	Rating **	M	Issue No.	3
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.127648 °	39.127648 °
				-121.756345 °	-121.756345 °
DWR ID	DWR_ST0010_02_s_2012_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0010_43_3_20160823_00001.jpg



View of vehicle erosion along L/S slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	09/23/2016 09/23/2016	Tariq Chechi

LM Start	1.74	Rating **	M	Issue No.	10
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.134064 °	39.141814 °
				-121.749781 °	-121.743260 °
DWR ID	DWR_ST0010_02_s_2016_10				
Comment Code					
Inspector Comment					
2011 - Whole bank is starting to unravel, with failure from poor soils. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_2-1_R]					

No Photos

LM Start	1.75	Rating **	M	Issue No.	20
LM End	1.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.134378 °	39.134378 °
				-121.749803 °	-121.749803 °
DWR ID	DWR_ST0010_02_f _ 2016_20				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Ramp is causing depression in the levee slope.					

Photo 1 of 1 : FA_2016_ST0010_43_20_20161003_00032.jpg



View the ramp encroaching into the levee.

LM Start	1.76	Rating **	M	Issue No.	11
LM End	1.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.134490 °	39.134490 °
				-121.749716 °	-121.749716 °
DWR ID	DWR_ST0010_02_f_2012_11				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent hole.					

Photo 1 of 2 : FA_2016_ST0010_43_11_20160823_00012.jpg



View of the rodent holes above the irrigation pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	09/23/2016 09/23/2016	Tariq Chechi

LM Start	1.76	Rating **	M	Issue No.	11 (cont)	
LM End	1.76	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			39.134490 °	39.134490 °	
				-121.749716 °	-121.749716 °	
DWR ID	DWR_ST0010_02_f_2012_11					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Repair the rodent hole.						

Photo 2 of 2 : FA_2016_ST0010_43_11_20160823_00013.jpg



View of the rodent hole above the irrigation pipe.

LM Start	2.41	Rating **	M	Issue No.	8
LM End	3.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.142254 °	39.153150 °
				-121.742847 °	-121.734611 °
DWR ID	DWR_ST0010_02_s_2016_8				
Comment Code					
Inspector Comment					
2010 - Over steepened levees, some slumping, reach-wide problem. 2011 - Still a reach-wide problem. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_2-4_R]					

Photo 1 of 2 : FA_2016_ST0010_43_8_20160823_00008.jpg



View of erosion along the waterside toe.

LM Start	2.41	Rating **	M	Issue No.	8 (cont)
LM End	3.28	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2016_ST0010_43_8_20160823_00009.jpg



View of the erosion along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	09/23/2016 09/23/2016	Tariq Chechi

Photo 1 of 1 : FA_2016_ST0010_43_21_20161003_00033.jpg



View the ramp encroaching into the levee.

Photo 1 of 2 : FA_2016_ST0010_43_4_20160823_00002.jpg



View of the erosion at the waterside toe.

Photo 2 of 2 : FA_2016_ST0010_43_4_20160823_00003.jpg



View of the erosion at the waterside toe.

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
N/A : Not Applicable	N : Not Inspected/Rated	Ob : Design & System Obsolescence
WS : Water Side	M : Minimally Acceptable	En : Enforcement
CR : Crown	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	09/23/2016 09/23/2016	Tariq Chechi

A gravel road leads from the foreground into the distance. To the right of the road is a large, dark, irregularly shaped area that appears to be a wetland or a body of water, possibly a reservoir or a large pond. The area is surrounded by green grass and some trees. The sky is blue with scattered white clouds.

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
N/A : Not Applicable	N : Not Inspected/Rated	Ob : Design & System Obsolescence
WS : Water Side	M : Minimally Acceptable	En : Enforcement
CR : Crown	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Wadsworth Canal	Right	4.60	09/23/2016 09/23/2016	Tariq Chechi

LM Start	4.41	Rating **	M	Issue No.	9 (cont)	
LM End	4.43	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2015 USACE Erosion Survey, DRAFT			39.168659 °		39.168937 °
				-121.728016 °		-121.727905 °
DWR ID	DWR_ST0010_02_s _ 2016_9					
Comment Code						
Inspector Comment						
2011 - Small erosion pocket. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: WAD_4-3_R]						

Photo 2 of 2 : FA_2016_ST0010_43_9_20160823_00011.jpg



View of the erosion along the waterside toe.

LM Start	4.47	Rating **	M	Issue No.	7
LM End	4.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.169532 °	39.169800 °
				-121.727860 °	-121.727703 °
DWR ID	DWR_ST0010_02_s_2012_7				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Monitor the erosion along the waterside toe.					

Photo 1 of 2 : FA_2016_ST0010_43_7_20160823_00006.jpg



View of the erosion along the W/S toe.

LM Start	4.47	Rating **	M	Issue No.	7 (cont)
LM End	4.49	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2016_ST0010_43_7_20160823_00007.jpg



View of the erosion along the waterside toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement